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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/623,934	07/21/2003	Naomasa Takahashi	09812.0369-00000	6473
22852	7590	02/07/2008	EXAMINER	
FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER LLP 901 NEW YORK AVENUE, NW WASHINGTON, DC 20001-4413			TRAN, TUYETLIEN T	
		ART UNIT	PAPER NUMBER	
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**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>
	10/623,934	TAKAHASHI, NAOMASA
	Examiner Tuyet.Lien (Lien) T. Tran	Art Unit 2179

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on 15 November 2007.
- 2a) This action is FINAL.      2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 1-8 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) \_\_\_\_\_ is/are allowed.
- 6) Claim(s) 1-8 is/are rejected.
- 7) Claim(s) \_\_\_\_\_ is/are objected to.
- 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) All    b) Some \* c) None of:
  1. Certified copies of the priority documents have been received.
  2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413)
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Date. _____
3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date <u>11/21/07</u> .	5) <input type="checkbox"/> Notice of Informal Patent Application
	6) <input type="checkbox"/> Other: _____

**DETAILED ACTION**

1. This action is responsive to the following communication: Amendment filed 11/15/07.

**This action is made final.**

2. Claims 1-8 are pending in the case. Claims 1, 5 and 7 are independent claims.

**Claim Rejections - 35 USC § 103**

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1-8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lemmons et al (Patent No. US 6442755 B1; hereinafter Lemmons) in view of Yui (Patent No. US 6493008 B1; hereinafter Yui).

**As to claim 1, Lemmons teaches:**

An electronic equipment (e.g., see Figs. 1-2) comprising:  
a display unit including a display screen (e.g., a display screen of the television equipment, see col. 2 lines 4-13);  
a plurality of interfaces for inputting visual media information from a plurality of external sources (e.g., see Figs. 1-3; note visual media information includes both video and data or television programming and that if desired, data can be provided over separate communication paths, see col. 3 lines 47-52 and col. 4 lines 14-39; further note there are preferably numerous television distribution facilities 16 and that link 18 may be a combination of a satellite link, a telephone network link, a cable or fiber optic links, and a microwave link or any other suitable

communications path, see col. 3 lines 3-18; in addition, video signal can be provided from a plurality of external sources such as the user tunes set-top box or a digital signal provided to a display on an appropriate digital bus, see col. 4 lines 14-39);

script text acquisition means for acquiring one or more script texts containing at least a media element identification of said visual media information to be input from one of said interfaces, and a display layout of said media element on said display screen (e.g., see col. 3 lines 19-40, Figs. 5, 7a-7b and col. 6 lines 64-67 – col. 7 lines 1-9; note the script text as shown in Fig. 7a, 7b contains at least a media element identification such as display elements 1-3 and a display layout of the media element; further note that the display elements includes any suitable program guide display screen element such as advertisement elements, program listings grid elements, video window elements, text window elements, see col. 7 lines 42-47);

a script text storage unit for storing one or more script texts taken in by said script text acquisition means (e.g., see col. 7 lines 18-25);

script text selection means for selecting a script text from one or more script texts stored in said script text storage unit (e.g., see col. 8 lines 41-57);

an interface selection means for identifying the external source of said media element based on the external source information contained in said script text selected by said script text selection means and selecting one of said plurality of interfaces corresponding to the identified external source to input said media element (e.g., see col. 8 lines 1-9, lines 41-57 and Fig. 6a; note that screen 50 as shown in Figs. 6a-6b is generated using a scripting text, it is clearly shown that the external source of said media element and the interface corresponding to the source are identified); and

script process means for displaying said media element on said display screen in accordance with said display layout contained in said script text selected by said script text selection means (e.g., see Figs. 7a-7b and col. 8 lines 1-9).

Lemmons does not expressly teach that the script text contains external source information of the media element and that an indication of a type of equipment connected to at least one of the plurality of interfaces.

Yui teaches a multi-screen display system and method that enables the simultaneous display of image data inputted from a plurality of image sources on a display unit (e.g., see col. 1 lines 8-11 and Fig. 1; note Fig. 1 shows the plurality of external image sources such as DTV, PC, DVD). Yui further teaches a layout determining means for determining a layout of display regions for arranging the inputted images on the multi-screen of the display means (e.g., see col. 9 lines 45-60, step s203 in Fig. 3).

Accordingly, it would have been obvious to one of ordinary skill in the art at the time the invention was made to include the external source information of the media element and the type of equipment connected to at least one of the plurality of interfaces in the script text in view of Yui because Yui suggests to the skilled artisan that displaying a combination of image data supplied from different image media on a display unit is desirable and that the layout information comprises external source information of the media element, the position where to display the inputted media element, and the type of equipment connected to at least one of the plurality of interfaces (e.g., see col. 1 lines 17-28, col. 9 lines 45-60 and Figs. 4, 8). One would be motivated to include these information in the script text so that the electronic equipment can learn where to retrieve the media information. As suggested by Lemmons and Yui, the motivation for the implementation is to be able to change the display screen by changing the script text without modifying the code of the application and to be able to display at the same

time a plurality of image data supplied from different media sources (e.g., see Lemmons, col. 2 lines 32-42 and Yui col. 1 lines 17-28).

**As to claim 5,** Lemmons teaches:

A server (e.g., television distribution facility 16 as shown in Fig. 1) comprising:

a script text storage unit (e.g., item 12 in Fig. 1) for storing one or more script texts (e.g., see col. 3 lines 19-31), containing at least a media element identification of visual media information to be input into an electronic equipment from one of a plurality of interfaces, a display layout of said media element on a display screen (e.g., see col. 3 lines 19-40, Figs. 5, 7a-7b and col. 6 lines 64-67 – col. 7 lines 1-9; note the script text as shown in Fig. 7a, 7b contains at least a media element identification such as display elements 1-3 and a display layout of the media element; further note that the display elements includes any suitable program guide display screen element such as advertisement elements, program listings grid elements, video window elements, text window elements, see col. 7 lines 42-47); and

script text distribution means for reading a corresponding script text from said script text storage unit to distribute said script text to said electronic equipment through a network in response to a request from said electronic equipment as a client (e.g., see col. 3 lines 19-31),

wherein said media element is input by one of said plurality of interfaces corresponding to said external source information at the electronic equipment (e.g., see col. 8 lines 1-9 and lines 41-57; note that screen 50 as shown in Figs. 6a-6b is generated using a scripting text, it is clearly shown that the external source of said media element and the interface corresponding to the source are identified).

Lemmons does not expressly teach that the script text contains external source information of the media element and that an indication of a type of equipment connected to at least one of the plurality of interfaces. However, it would have been obvious to one of ordinary

skill in the art at the time the invention was made to implement these features for the same reasons as discussed with respect to claim 1 above.

**As to claim 7,** Lemmons teaches:

A presentation method of a layout script text (e.g., see Figs. 7a-7b), said method comprising the steps of:

connecting a server to an electronic equipment through a network (e.g., see Fig. 1 and col. 3 lines 3-19), said server including a media element identification of visual media information to be input to said electronic equipment from one of a plurality of interfaces (e.g., see col. 3 lines 3-31; note that program guide includes television program listings data such as channel and media element, see Fig. 5), and a script text storage unit (e.g., item 12 in Fig. 1) for storing a script text (e.g., see col. 3 lines 19-31) defining at least a display layout of said media element on a display screen (e.g., see Figs. 7a-7b and col. 6 lines 64-67 – col. 7 lines 1-9), said electronic equipment including a function of making said media element be displayed on the display screen in accordance with a script text (e.g., see Figs. 7a-7b and col. 8 lines 1-9);

requesting a distribution of said script text to said server from said electronic equipment (e.g., col. 8 lines 33-40); and

reading a corresponding script text from said script text storage unit to distribute said script text to said electronic equipment through said network in response to said request issued to said server (e.g., step 400 in Fig. 8; note that script texts are stored in storage 12 as shown in Fig. 1);

wherein said media element is input by one of said plurality of interfaces corresponding to said external source information at the electronic equipment (e.g., see Figs. 1-3; note visual media information includes both video and data or television programming and that if desired, data can be provided over separate communication paths, see col. 3 lines 47-52 and col. 4 lines

14-39; further note there are preferably numerous television distribution facilities 16 and that link 18 may be a combination of a satellite link, a telephone network link, a cable or fiber optic links, and a microwave link or any other suitable communications path, see col. 3 lines 3-18; in addition, video signal can be provided from a plurality of external sources such as the user tunes set-top box or a digital signal provided to a display on an appropriate digital bus, see col. 4 lines 14-39).

Lemmons does not expressly teach that the script text contains external source information of the media element and that an indication of a type of equipment connected to at least one of the plurality of interfaces. However, it would have been obvious to one of ordinary skill in the art at the time the invention was made to implement these features for the same reasons as discussed with respect to claim 1 above.

**As to claim 2,** Lemmons further teaches:

said plurality of interfaces include a function of inputting visual media information different from each other through a plurality of channels (e.g., see col. 5 lines 22-30 and Fig. 5), and

said script text includes information for defining said interface for inputting said media element and a channel of said interface (e.g., see Figs. 5, 7a-7b and col. 6 lines 64-67 – col. 7 lines 1-9; those skilled in the art will appreciate including a channel information in the script text, such implementation would not leave the scope and spirit of the disclosed invention, see col. 10 lines 50-53).

**As to claim 3,** Lemmons further teaches wherein said script text acquisition means selects a desired script text and takes in said script text from a server for presenting said script text through a network (e.g., see col. 7 lines 10-25, col. 8 lines 33-57 and Fig. 9).

**As to claim 4,** Lemmons further teaches wherein said script text acquisition means selects a desired script text and takes in said script text from a detachably mountable storage medium which records said script text (e.g., the script text can be stored locally by a program guide, see col. 7 lines 20-25; note it is clearly that a desired script text can be taken from a detachably mountable storage 31 as shown in Fig. 2).

**As to claim 6,** Lemmons further teaches:

recognition means for recognizing a specification of said electronic equipment as a requester (e.g., see col. 5 lines 51-67 and col. 6 lines 25-41); and

script change means for changing a content of a script text read from said script text storage unit to be optimized according to said specification of said electronic equipment recognized by said recognition means (e.g., see col. 8 lines 33-57 and Fig. 9).

**As to claim 8,** Lemmons further teaches wherein said server recognizes a specification of said electronic equipment as a requester (e.g., see col. 7 lines 10-25 and see col. 5 lines 51-67), changes a content of a script text read from said script text storage unit to be optimized in accordance with said recognized specification of said electronic equipment, and distributes said changed script text to said electronic equipment (e.g., see col. 8 lines 33-57 and Fig. 9).

#### **Response to Arguments**

5. Applicant's arguments filed on 11/15/07 with respect to claims 1-8 have been fully considered but are moot in new ground(s) of rejections.

#### **Conclusion**

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

**It is noted that any citation to specific, pages, columns, lines, or figures in the prior art references and any interpretation of the references should not be considered to be limiting in any way. A reference is relevant for all it contains and may be relied upon for all that it would have reasonably suggested to one having ordinary skill in the art. In re Heck, 699 F.2d 1331, 1332-33, 216 USPQ 1038, 1039 (Fed. Cir. 1983) (quoting In re Lemelson, 397 F.2d 1006, 1009, 158 USPQ 275, 277 (CCPA 1968)).**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to TuyetLien (Lien) T. Tran whose telephone number is 571-270-1033. The examiner can normally be reached on Mon-Friday: 7:30 - 5:00 (every other Friday off).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Weilun Lo can be reached on 571-272-4847. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

T.T.  
01/31/2008

Lien Tran  
Examiner  
Art Unit 2179



WEILUN LO  
SUPERVISORY PATENT EXAMINER